

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/001861

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01N33/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/040509 A1 (DUNGAN BUD) 15 November 2001 (2001-11-15) paragraph '0025! - paragraph '0034!; figures 6,7,14 ---	1
X	US 5 771 004 A (SHAW MICHAEL F ET AL) 23 June 1998 (1998-06-23) column 2, line 10 -column 3, line 57 ---	1
X	US 4 875 031 A (FILIPPI ERNEST A ET AL) 17 October 1989 (1989-10-17) column 15, line 26 - line 34 ---	1
A	US 6 053 031 A (KULLIK GOETZ ET AL) 25 April 2000 (2000-04-25) column 3, line 3 - line 15 ---	8 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

20 August 2004

Date of mailing of the international search report

30/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Purdie, D

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/001861

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 533 247 A (ERICSSON RADIO SYSTEMS BV) 24 March 1993 (1993-03-24) column 2, line 34 – line 52 -----	8

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/001861

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 2001040509	A1	15-11-2001	US 6252510 B1	26-06-2001
			US 2002070869 A1	13-06-2002
			US 2004056771 A1	25-03-2004
			AU 3579800 A	19-06-2000
			WO 0033066 A2	08-06-2000
US 5771004	A	23-06-1998	NONE	
US 4875031	A	17-10-1989	NONE	
US 6053031	A	25-04-2000	DE 19722744 A1	03-12-1998
			GB 2325743 A ,B	02-12-1998
EP 0533247	A	24-03-1993	NL 9101590 A	16-04-1993
			DE 69207313 D1	15-02-1996
			DE 69207313 T2	15-05-1996
			EP 0533247 A1	24-03-1993
			US 5367242 A	22-11-1994